

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/01311

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B60G 21/06, B62D 33/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B60G, B62D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5139104 A (MOSCICKI), 18 August 1992 (18.08.92), figure 1, abstract --	1-12
Y	US 5794966 A (MACLEOD), 18 August 1998 (18.08.98), column 13, line 10 - line 15, figures 6c,6d, claim 1, abstract --	1-12
A	EP 0495442 A1 (HERMANN HEMSCHIEDT MASCHINENFABRIK GMBH & CO), 22 July 1992 (22.07.92), figure 1, abstract --	1-12
A	DE 4324289 A1 (IVECO MAGIRUS AG), 26 January 1995 (26.01.95), figure 1, abstract --	1-12

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

13 November 2003

Date of mailing of the international search report

21-11-2003

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5447332 A (HEYRING), 5 Sept 1995 (05.09.95), figures 1,2, abstract --	1-12
A	US 5915701 A (HEYRING), 29 June 1999 (29.06.99), figures 1,2, abstract --	1-12
A	US 5174603 A (LUND), 29 December 1992 (29.12.92), figure 1, abstract --	1-12
A	WO 0061394 A1 (KINETIC PTY LTD), 19 October 2000 (19.10.00), figures 1,7, abstract -- -----	1-12

INTERNATIONAL SEARCH REPORT
Information on patent family members

06/09/03

International application No.
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Patent document cited in search report			Publication date	Patent family member(s)		Publication date
US	5139104	A	18/08/92	EP	0454525 A	30/10/91
				FR	2661387 A,B	31/10/91
US	5794966	A	18/08/98	NONE		
EP	0495442	A1	22/07/92	AT	106812 T	15/06/94
				DE	4101221 A	23/07/92
				DE	59200209 D	00/00/00
DE	4324289	A1	26/01/95	NONE		
US	5447332	A	05/09/95	AU	670034 B	04/07/96
				BR	9206259 A	19/11/96
				DE	69223149 D,T	07/05/98
				EP	0599882 A,B	08/06/94
				JP	6509997 T	10/11/94
				KR	257246 B	15/05/00
				US	5562305 A	08/10/96
				AT	160117 T	15/11/97
				AU	2366492 A	23/02/93
				CA	2112669 A	04/02/93
				ES	2110509 T	16/02/98
				WO	9301948 A	04/02/93
US	5915701	A	29/06/99	NONE		
US	5174603	A	29/12/92	US	4966390 A	30/10/90
				US	5040823 A	20/08/91
				US	5087073 A	11/02/92
				US	5219181 A	15/06/93
WO	0061394	A1	19/10/00	AU	757591 B	27/02/03
				AU	757592 B	27/02/03
				AU	3648800 A	14/11/00
				AU	3648900 A	14/11/00
				AU	PP970999 D	00/00/00
				EP	1189774 A	27/03/02
				EP	1189775 A	27/03/02
				JP	2002541014 T	03/12/02
				JP	2002541015 T	03/12/02
				US	6519517 B	11/02/03
				WO	0061393 A	19/10/00
				AU	PP998399 D	00/00/00